



Product Information Packet

AOM3542

.75HP,1725RPM,3PH,60HZ,56,3416M,TEAO,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW139	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34T045	Layout:	34LYT045	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	08-20-2018	Leads:	9#18 36" LG	Y	

Specs			
Catalog Number:	AOM3542	Heater Indicator:	No Heater
Enclosure:	TEAO	Insulation Class:	F
Frame:	56	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	.750 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3416M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	61
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	1.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	3.200 A @ 230.0 V	Shaft Rotation:	Reversible
	3.500 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	AOM3542											
SPEC.	34T45W139											
HP	.75 AIR OVER											
VOLTS	208-230/460											
AMP	3.5-3.2/1.6											
RPM	1725											
FRAME	56				HZ	60				PH	3	
SER.F.	1.00			CODE	K		DES	B		CLASS	F	
NEMA-NOM-EFF	72				PF	61						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								3.5
DE	6203					ODE	6203					
ENCL	TEAO			SN								
	1000 FPM AT 44 CFM											

Parts List		
Part Number	Description	Quantity
SA007563	SA 34T45W139	1.000 EA
RA004101	RA 34T45W139	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3100A03SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 6895 - Typical performance - not guaranteed values

Winding: 34WGW139-R001	Type: 3416M	Enclosure: TEAO
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75 AIR OVER			Full Load Torque	2.25 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.5-3.2/1.6			Breakdown Torque	8.3 LB-FT
R.P.M.	1725			Pull-up Torque	6.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	8.3 A
Service Factor (S.F.)	1			No-load Current	1.39 A
NEMA Nom. Eff.	72	Power Factor	61	Line-line Res. @ 25°C	23.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
				Locked-rotor Power Factor	65
				Rotor inertia	0.0381 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	27	39	50	59	67	73
Efficiency	46	61	68	71	72	71
Speed	1778	1759	1738	1716	1691	1663
Line amperes	1.41	1.45	1.54	1.66	1.81	2.01

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





